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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q67354

Kwang-Chul KIM

Appln. No.: 10/009,772

Group Art Unit: 2661

Confirmation No.: 1570

Examiner: Not Yet Assigned

Filed: March 18, 2002

For: APPARATUS AND METHOD FOR ACHIEVING SYMBOL TIMING AND
FREQUENCY SYNCHRONIZATION TO ORTHOGONAL FREQUENCY DIVISION
MULTIPLEXING SIGNAL

STATEMENT UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed
concurrently herewith was first cited in any communication from a foreign patent office in a
counterpart foreign application not more than three months prior to the filing of said Information
Disclosure Statement.

SUGHRUE MION, PLLC
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WASHINGTON OFFICE



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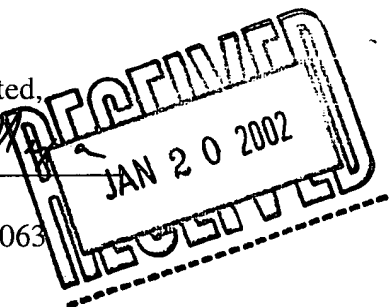
PATENT TRADEMARK OFFICE

Date: December 6, 2002

Respectfully submitted,

Darryl Mexic
Darryl Mexic

Registration No. 23,063



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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
Washington, D.C. 20231

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Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a

INFORMATION DISCLOSURE STATEMENT

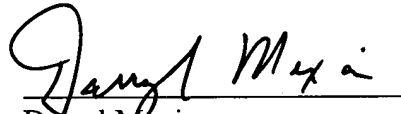
U.S. Appln. No.: 10/009,772

ATTORNEY DOCKET NO. Q67354

request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required. Nevertheless, since a Statement can be made, a Statement is submitted herewith.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



Darryl Mexic

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PATENT TRADEMARK OFFICE

Date: December 6, 2002

Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/009,772
				Confirmation Number	1570
				Filing Date	March 18, 2002
				First Named Inventor	Kwang-Chul KIM
				Art Unit	2661
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	Q67354
Sheet	1	Of	1		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		EP	0 915 597	A1	5/12/1999	Sony International	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		T. Keller, et al., "Orthogonal Frequency Division Multiplex Synchronisation Techniques for Wireless Local Area Networks", IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Taipei, Taiwan, vol. 3, October 15, 1996, pages 963-967, XP002063294	
		T. Schmidl, et al., "Robust Frequency and Timing Synchronization for OFDM", IEEE Transactions on Communications, IEEE INC., New York, US, vol. 45, no. 12, December 1, 1997, pages 1613-1621	
		B. Stantchev, et al., "Burst Synchronization for OFDM-based cellular systems with separate signaling channel", Vehicular Technology Conference, 1998. VTC 98. 48 th IEEE Ottawa, ONT., Canada 18-21 May 1998, New York, NY USA, IEEE, US, May 18, 1998, pages 758-762, XP010288089	
		F. Classen, et al., "Synchronization Algorithms for an OFDM System for Mobile Communication" Codierung Fur Quelle, Kanal UND Ubertragung. Vortrage Der ITG-Fachtagung, Munchen, OCT. 26-28, 1994, ITG Fachberichte, Berlin, VDE Verlag, DE, vol. NR. 130, 1994, pages 105-113, XP000503783	
		D. Lee, et al., "A New Symbol Timing Recovery Algorithm for OFDM Systems", IEEE Transactions on Consumer Electronics, IEEE Inc. New York, US, vol. 43, no. 3, August 1, 1997, pages 767-774, XP000742560	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.